

Darktrace Corporate Overview

Our Vision

Darktrace applies the biological principles of the human immune system to the challenge of protecting the enterprise from advanced cyber-threats. Our vision is to use cutting-edge technology to help organizations detect abnormal behavior within their networks in real time, before these incidents develop into damaging cyber-attacks.

Enterprise Immune System

Darktrace's award-winning Enterprise Immune System technology is uniquely capable of detecting the most subtle cyber-threats within the network, including insider threat. Powered by advanced machine learning and mathematics, the Enterprise Immune System automatically and adaptively learns a normal 'pattern of life' for every user, device and network, in order to detect emerging behaviors that represent real threats. This self-learning technology provides corporations with comprehensive visibility into their networks' activity, allowing them to proactively respond to threats and prevent damaging cyber-attack.

Why is machine learning and mathematics important for cyber security?

The legacy approach of surrounding your information with higher and higher walls is not sufficient against today's threat landscape. New advances in machine learning and mathematics, developed at the University of Cambridge, have allowed a new era of cyber security, which takes for granted that threat is permanently inside the network. Instead of pre-defining 'bad' behaviors and relying on prior knowledge about previous attack methods, a machine learning approach is capable of automatically modelling and clustering information dynamically and at speed. This means it can proactively suggest areas of abnormality or suspicion that should be investigated by the organization.

Who We Are

Darktrace brings together:

- World-class mathematicians and machine learning specialists
- Government intelligence experts
- Experienced technologists and enterprise software professionals

What We Do

Darktrace's Enterprise Immune System Technology is uniquely capable of:

- Detecting mathematical anomalies within the network
- Learning normal and abnormal behaviors in real time
- Addressing insider and external threats
- Protecting both enterprise and Industrial Control System networks (including SCADA)

Darktrace Fast Facts

- 1,200+ deployments
- 200 global partners
- 20 global offices
- 300+ employees
- Queen's Award for Enterprise in Innovation 2016
- Gartner 'Cool Vendor' 2015
- 'Best Security Company of the Year' at Global Excellence Awards 2016
- World Economic Forum 'Technology Pioneer' 2015
- Headquartered in Cambridge, UK and San Francisco



Fig.1 Darktrace Threat Visualizer – real-time 3D interface for threat investigation



Fig.2 Darktrace global offices

About Darktrace

Named 'Technology Pioneer' by the World Economic Forum, Darktrace is one of the world's leading cyber threat defense companies. Its Enterprise Immune System technology detects previously unidentified threats in real time, powered by machine learning and mathematics developed at the University of Cambridge, which analyze the behavior of every device, user and network within an organization. Some of the world's largest corporations rely on Darktrace's self-learning appliance in sectors including energy and utilities, financial services, telecommunications, healthcare, manufacturing, retail and transportation. The company was founded in 2013 by leading machine learning specialists and government intelligence experts, and is headquartered in Cambridge, UK and San Francisco, including offices in Auckland, Boston, Chicago, Dallas, London, Los Angeles, .Milan, Mumbai, New York, Paris, Seoul, Singapore, Sydney, Tokyo, Toronto and Washington D.C

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